

PRODUCT CODE: 70 2070 FORMER DEVELOPMENT CODE D/6034
SPECIFICATION: Freeze dried lemon powder US - 15 Kg - 33 lbs

GENERAL

Product obtained by freeze drying of frozen lemon that has been cut.
 Grinding occurs after freeze drying.

PHYSICAL PROPERTIES

Flavour (taste and odour): Typical of lemon with skin.
 Colour: Typical of lemon with skin.
FD lemon is produced with raw materials whose quality is subject to natural variations. Therefore, deviation in sensory and size cannot be excluded between lots.

Fines <1mm : 95% max (measured before transport)
 Aw : <0.3 (typical value only)

CHEMICAL PROPERTIES

Parameter	Target	Method	Norm
Moisture Content	<5%	Oven (4hrs – 70°C under vacuum)	ISO 1026

MICROBIOLOGICAL PROPERTIES

Germ	Target	Method	Norm
Aerobic Plate Count	<10000 per g	PCA 30°C	ISO 4833-1
Coliform	<10 per g	VRBL 30°C	ISO 4832
E. Coli	<10 per g	TBX 44°C	ISO 16649-2
Yeast	<500 per g	YGC 25°C	V08-059
Mould	<500 per g	YGC 25°C	V08-059
Salmonella	Not Detected/25g	XLD and Brilliance agar	ISO 6579

SHELF LIFE PROPERTIES

The shelf life is 12 months from date of manufacturing.
 75% min shelf on delivery.
 The material must be stored in its original airtight packaging. The storage temperature should not exceed 25°C avoiding heat and direct sunlight. To preserve all their properties, FD ingredients need to be used in a dry atmosphere (< 25°C and max 30% of relative humidity).

INGREDIENT DECLARATION

Lemon with peel
 Please note traces of lemon seeds can exist in the end product. It is recommended that this should be clearly indicated on the final package for the end customers.
No addition of ingredients considered as "engineered nanomaterials" according to FIC 1169/2011 definition.

**NUTRITIONAL
INFORMATION US**

Calories	397
Moisture (g/100g)	2.5
Protein (g)	5.4
Total fat (g/100g)	4.6
- Saturated fat (g/100g)	1.1
- Trans fat (g/100g)	0
- Cholesterol (mg/100g)	0
Total carbohydrate (g/100g)	46.0
- Total sugars (g/100g)	24.4
- Dietary fibre (g/100g)	21.6
- Includes added sugar (g/100g)	0
Organic acids (g/100g)	37.6
Ash (g/100g)	3.9
Sodium (g/100g)	0.02
- Calcium (mg/100g)	274
- Iron (mg/100g)	5
- Potassium (mg/100g)	850
- Vitamin D (mcg/100g)	0
- Vitamin C (mg/100g)	TBC
- Vitamin A (iu/100g)	TBC

Nutritional information is indicative and has been calculated using data from Souci Fachmann-Kraut, 7th Revision and from our suppliers' data sheets. Energy has been calculated using conversion factors for US labelling (4 Cal for protein, total carbohydrates and organic acids and 9 Cal for fat).

Moisture + Protein + Fat + Carbohydrate + Fibre + Organic acids + Ash =100.0

**PACKAGING
FORMAT**

The product is packed into a 15 (TBC) Kg blue polythene bag inside a foil aluminum bag which is heat-sealed.

Each bag is packed into a carton measuring 48x40x40- carton 60 l
18 cartons are placed onto a one way 80 x 120 cm pallet.

Each pallet is covered with a pallet board and is then externally shrink wrapped with a polyethylene film.

LABELLING

Each box will have a printed label with the following information:

CF Production Code, CF Product Description, Lot Number

Internal CF order number

Gross Weight, Tare, Net Weight

Production and Best Before End

Sender and consignee address

**PRODUCT
GUARANTEE**

Conform to local regulation for	EU	US	OTHER	TBC
Pesticides	-	X	-	-
Heavy metals				

**FOOD
SAFETY**

None of our products are derived from genetically modified organisms including additives and processing aids. No labelling declaration is needed according to EU regulations 1829 and 1830 /2003.

None of our products are irradiated including additives and technological aids.

All our primary packing materials are Food Grade and compliant with EU regulation 1935/2004 and 10/2011 and amendments.

**ALLERGEN
INFORMATION**

ALLERGEN LIST	Present in product	
	Yes	No
Wheat and products thereof	-	X
Crustaceans and products thereof	-	X
Eggs and products thereof	-	X
Fish and products thereof	-	X
Peanuts and products thereof	-	X
Soybeans and products thereof	-	X
Sesame and products thereof	-	X
Milk and products thereof (including Lactose)	-	X
Nuts, i.e. almonds, hazelnuts, walnuts, cashews, pecan nuts, Brazil nuts, pistachio nuts, macadamia nuts and Queensland nuts, and products thereof	-	X

DEFECTS

Defects	Max count	Description
Critical	0 / 100 kg	Metal, glass, wood, mineral stone > 3 mm, hard plastic pieces
Major	1 / 100 kg	Mineral stone < 3 mm, string, supple plastic, hair, insect

**DIETARY
SUITABILITY**

	Suitable for	Certificate available	Criteria not checked
Vegetarian diet	yes	no	-
Vegan diet	yes	no	-
Kosher	yes	yes	-
Halal	yes	no	-

ADDITIONAL INFORMATION

TBC: To Be Confirmed
CF: Chaucer Foods
FD: Freeze Dried

Please note this product is not suitable for children under the age of 36 months.

FRESH EQUIVALENT

100 g of FD lemon is equivalent to approx. 650 g of frozen lemon .

This value is indicative and is based on our analytical results obtained on our raw material. This value may vary from crop to crop.

CERTIFICATE OF ANALYSIS

Certificate of analysis is available upon request.

Our standard CoA will mention: micro testing (according to "microbiological properties" section) moisture and organoleptic test.



If you require additional test, it needs to be defined prior to the first order. Otherwise we would not be able to fulfil your requirements.

LEGISLATION AND WARRANTY STATEMENT

The product will be manufactured and packaged in accordance with all current, relevant USA legislation. The finished product specification is provided in good faith and is based upon the product formulation, data provided by our raw material suppliers and the factory of manufacture at the date noted in this specification. It is the customers responsibility to ensure that the specified material is used in accordance with the legislation (including local national regulations) in force in their country of sale for their specific use.

This is a confidential document and information contained is the property of Chaucer Foods Ltd (including subsidiaries) and must not be disclosed to any third party without prior permission from the company.

SIGNED ON BEHALF OF

	Chaucer Foods SAS	Customer
Name	Sandra Sanderson	
Position	Group Regulatory Manager	
Date (mm/dd/yyyy)	29/06/2023	
Signature		
Company stamp Or address		

Please note: If the specification is not returned, signed within 21 days from the date of document dispatch, Chaucer Foods will assume acceptance of this document.